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TITLE : COATED SINTERED TOOL

ABSTRACT : PROBLEM TO BE SOLVED: To provide the boron nitride sintered body of a coated high pressure phase excellent in peeling resistance and pitting resistance.

SOLUTION: The function for increasing the strength of a coat is made strengthened by growing the (111) lattice plane of the coat of TiCON and by suppressing the growth of the (200) lattice plane, by functioning for remaining a compressive stress in the coat by making the crystal grain in an azimuthal plane less, consequently. Furthermore, since it is possible to obtain an effect for increasing adhesion property between the boron nitride sintered body of the high pressure phase and the coat by growing the (111) lattice plane preferentially, an excellent cutting performance can be obtained.

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